Serial No. 10/036,099

Amendments to the Claims

1-3. (Cancelled)

4. (Original) A catalytic combustor comprising a plurality of similar strips of metal, each strip having two sides, designated as Side A and Side B, each strip having an inlet end and an outlet end, the strips being arranged to form a stack, wherein Side A of each strip inside the stack faces Side A of an adjacent strip, and wherein Side B of each strip inside the stack faces Side B of an adjacent strip,

wherein Side A of each strip has an uncoated inlet band located at the inlet end, Side A being coated with catalyst elsewhere, and wherein Side B is uncoated.

5. (Original) The combustor of Claim 4, wherein each strip has a shoulder located at the inlet end.

6. (Original) A catalytic combustor comprising a plurality of similar strips of metal, each strip having two sides designated as Side A and Side B, each strip having an inlet end and an outlet end, the strips being arranged to form a stack, wherein Side A of each strip inside the stack faces Side A of an adjacent strip, and wherein Side B of each strip inside the stack faces Side B of an adjacent strip,

wherein Side A of each strip has an uncoated inlet band located at the inlet end, Side A being coated with catalyst elsewhere, wherein Side B has an uncoated inlet band located at the inlet end, wherein Side B also has a light-off band which is coated with catalyst, the light-off band being

adjacent to the inlet band, and wherein Side B is uncoated elsewhere.

7. (Original) The combustor of Claim 6, wherein the inlet band of Side A is opposite to, and has a same size as, the inlet band of Side B.

8. (Original) The combustor of Claim 6, wherein the strip has a shoulder located at the inlet end.

9. (Original) A catalytic combustor comprising a plurality of similar strips of metal, each strip having two sides designated as Side A and Side B, each strip having an inlet end and an outlet end, the strips being arranged to form a stack, wherein Side A of each strip inside the stack faces Side A of an adjacent strip, and wherein Side B of each strip inside the stack faces Side B of an adjacent strip,

wherein Side A of each strip has an uncoated inlet band located at the inlet end, wherein Side B of each strip has an uncoated inlet band located at the inlet end,

wherein Side A has a light-off band which is coated with catalyst, adjacent to the inlet band,

wherein Side A has at least one combustion band, downstream of the light-off band, the combustion band being coated with catalyst,

wherein Side B has a light-off band which is coated with catalyst, adjacent to the inlet band, and wherein Side B is uncoated elsewhere.

10. (Original) The combustor of Claim 9, wherein the inlet band of Side A is opposite to, and has a same size as, the inlet band of Side B.

11. (Original) The combustor of Claim 10, wherein the light-off band of Side A is opposite to, and has a same size as, the light-off band of Side B.

12. (Original) The combustor of Claim 9, wherein an uncoated band separates the light-off band of Side A from said combustion band.

13. (Original) The combustor of Claim 9, wherein Side A has a plurality of combustion bands, the combustion bands being separated by uncoated bands.

14. (Original) The combustor of Claim 13, wherein Side A has a final band, located at the outlet end, the final band being uncoated.

15. (Original) The combustor of Claim 9, wherein the strip has a shoulder located at the inlet end.

16. (Original) The combustor of Claim 9, wherein the inlet band is wider than the light-off band.

17. (Original) The combustor of Claim 16, wherein at least one combustion band is wider than the light-off band.

18. (Original) The combustor of Claim 9, wherein at least one combustion band is wider than the inlet band.

19-20. (Cancelled)

21. (Original) A catalytic combustor comprising a strip of metal folded back and forth upon itself, the strip having two sides, designated as Side A and Side B, wherein Side A includes a plurality of regions which are selectively coated with catalyst according to a pattern designated as pattern "A", and wherein Side B is uncoated, and wherein, when the strip is folded back and forth upon itself, each pattern "A" faces another pattern "A".

22. (Original) A catalytic combustor comprising a strip of metal folded back and forth upon itself, the strip having two sides, designated as Side A and Side B, wherein Side A includes a plurality of regions which are selectively coated with catalyst according to a pattern designated as pattern "A", and wherein Side B is uncoated, wherein, when the strip is folded back and forth upon itself, each pattern "A" faces another pattern "A", wherein the strip has an inlet end,

wherein pattern "A" defines an uncoated inlet band located at the inlet end of the strip, and a coated region outside said uncoated inlet band.

23-25. (Cancelled)

26. (Original) A method of making a catalytic combustor, comprising:

a) providing a plurality of similar strips of metal, each strip having two sides, designated as Side A and Side B, each strip defining an inlet end,

b) selectively coating Side A of each strip with catalyst, such that Side A of each strip has an uncoated band located at the inlet end, and a

catalyst coating elsewhere, and wherein Side B of each strip is uncoated, and

c) arranging the strips to form a stack, such that Side A of each strip inside the stack faces Side A of an adjacent strip, and such that Side B of each strip inside the stack faces Side B of an adjacent strip.

27. (Original) A method of making a catalytic combustor, comprising:

a) providing a plurality of similar strips of metal, each strip having two sides, designated as Side A and Side B, each strip defining an inlet end,

b) selectively coating Side A of each strip with catalyst, such that Side A of each strip has an uncoated band located at the inlet end, and a catalyst coating elsewhere, and coating Side B of each strip such that Side B has an uncoated band located at the inlet end and a light-off band adjacent to said uncoated band, and

c) arranging the strips to form a stack, such that Side A of each strip inside the stack faces Side A of an adjacent strip, and such that Side B of each strip inside the stack faces Side B of an adjacent strip.

28-30. (Cancelled)